SAMSUNG

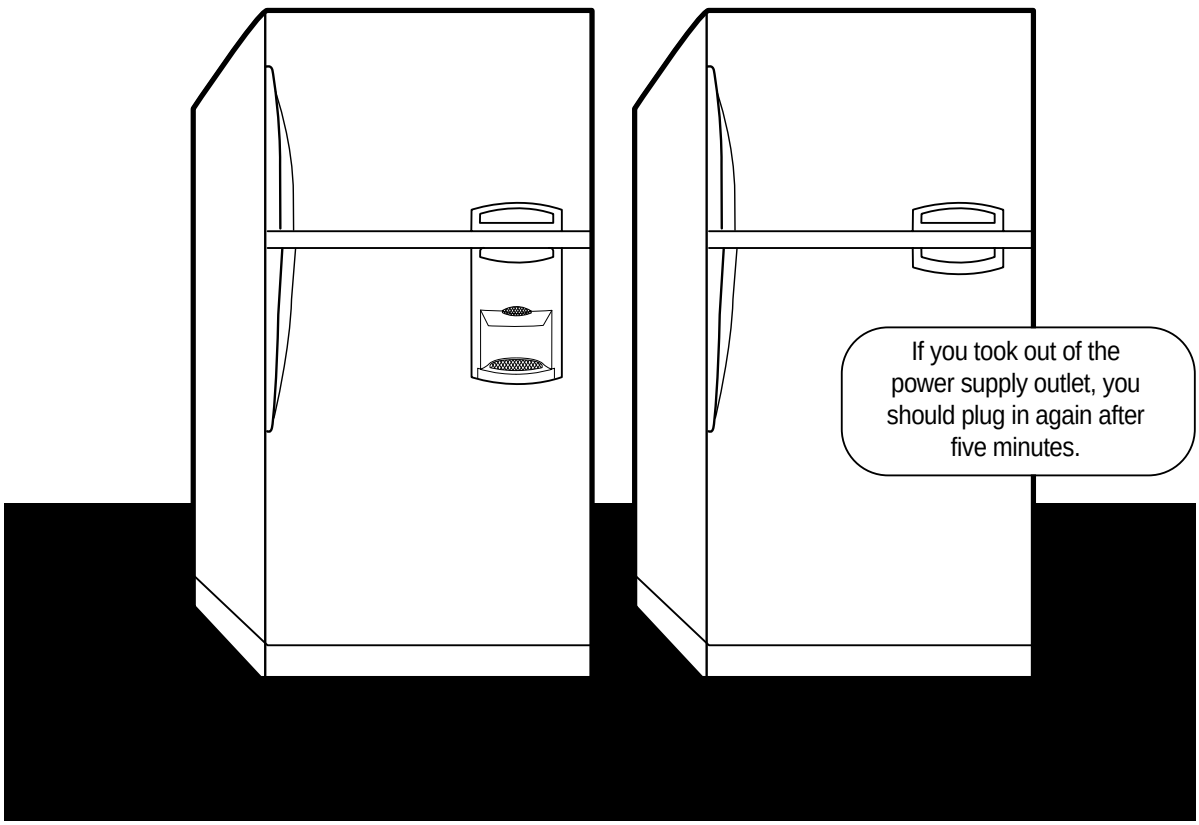
# OWNER'S INSTRUCTIONS

ENGLISH

CFC FREE
GREEN

# REFRIGERATOR

Before operating the unit, please read this manual throughly,
and retain for future reference.




DA99-00670A REV(0.0)

# FEATURE

**What is H.M.CYCLE(High-efficiency Multi-evaporator CYCLE)?**

- A high efficiency cooling method adopting an independent cooler and an independent cooling fan in freezing room and refrigerating room, respectively.
- A new cooling method providing an economic energy, power cooling function and supply of high humidity cool air by independent cooler and cooling fan.

**What is sensitivity technology?**

- A theory for meeting the sensuous demands from consumers by supplying the cool air that suits their tastes for preserving foods. Neuro-fuzzy genic algorithm theory was applied so that the optimum uniform refrigeration can be maintained by automatically activating the rotating fan for distribution of cool air at the locations where foods are stored and supplying the cool air quickly to places where it is mostly needed.

**What is genic algorithm (GA-FUZZY)**

- A theory that senses the inside temperature of refrigerator with temperature sensor and controls it to be in an optimum state of uniform refrigeration by applying the genetic principle of natural ecosystem, i.e the law of the fittest's survival and training to Micom.

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# WARNING FOR SAFETY

**This is to prevent users or other persons from being wounded or injured, by using the present product properly. Be sure to observe these contents for safety. (After reading these contents, please keep in such a safe place as to look up)**

**Contents of Caution/Warning**

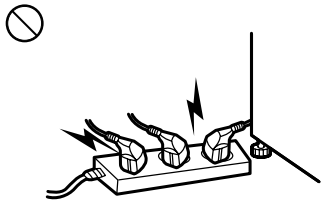
| | |
|---|---|
| **Warning** ⚠ | Represents the contents that death or heavy injury of a person is foreseen. |
| **Caution** ⚠ | Represents the contents that injury of a person or damage of material is foreseen. |

**Contents of indication**

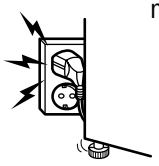
| | |
|---|---|
| ⊘ | Represents the contents of prohibition. |
| | Represents the prohibition of disassembly. |
| | Represents the prohibition of contact. |
| ! | Represents what has to be observed. |
| | Represents that a power plug has to be separated from the plug socket. |
| | Represents earth for prevention of electric shock. |

## ⚠ WARNING

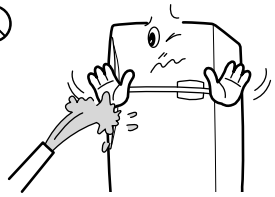
**Do not insert the power plugs for many products at the same time.**
- May cause abnormal generation of heat or fire.



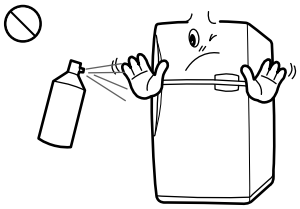
**Set the power plug free from the back side of the refrigerator.**
- Damaged power plug may cause fire due to overheating.
- If the power cord is damaged, avoid a hazard by replacing it through the manufacturer or its service agent or a similarly qualified person.



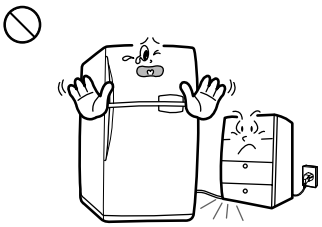
**Do not directly spray water inside or outside of the refrigerator**
- May cause fire or electric shock.



**Do not spray inflammable gas near the refrigerator.**
- May cause explosion or fire.



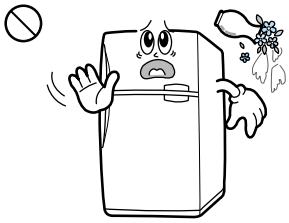
**Do not bend the power cord with excessive force or do not have the power cord pressed by heavy article.**
- May cause fire or electric shock.



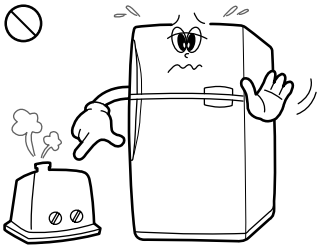
**Do not store a volatile and inflammable substance in the refrigerator.**
- Storage of benzene, thinner, alcohol, ether, LP gas, etc., may cause explosion.

## ⚠ WARNING

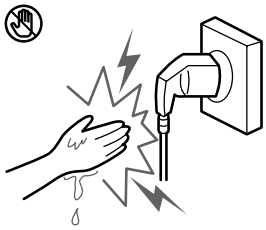
**Do not put a tank filled with water on the product.**
- If water poured, it cause bad insulation of the electric parts which may lead to fire or electric shock.



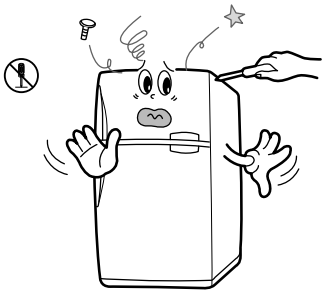
**Do not install the refrigera-tor in the wet place or the place which water splashes.**
- Deterioration of insulation of electric parts may cause electric shock or fire.



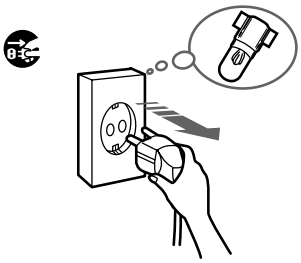
**Do not insert the power plug with the wet hand.**
- May cause electric shock.



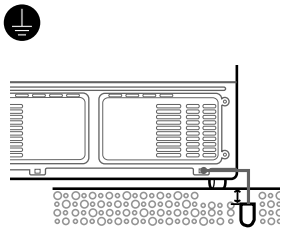
**Do not disassemble, repair or alter.**
- It may cause fire or abnormal operation which leads to injury.



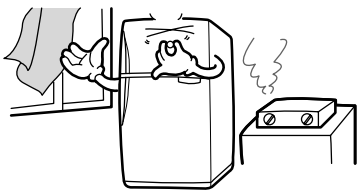
**Pull the power plug out for exchanging the interior lamp of the refrigerator.**
- It may cause electric shock.



**Be sure to earth.**
- If earthing is not done, it will cause breakdown and electric shock. (Please refer to page 29.)



**If and when gas leaks, immediately ventilate without touching the refrigerator and the plug.**
- Explosion of gas may cause fire and a burn.

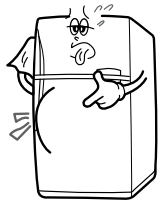


**Dispose refrigerator after door or door's packing is removed, if disposition is required.**
- It is dangerous for child to enter the refrigerator for play-in with door closed.

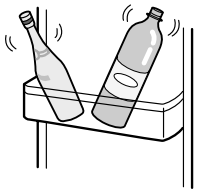
# CAUTIONS FOR SAFETY

**CAUTION**

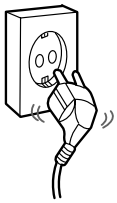
**Do not store too much foodstuffs therein.**
- Opening of the door may cause pouring over which may inflict a wound.



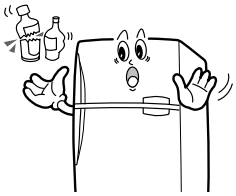
**Do not store narrow and lengthy bottles or foods in a small multi-purpose room.**
- It may hurt you when refrigerator door is opened and closed resulting in falling stuff down.



**If the hole of the power plug socket is loose, don't insert the power plug.**
- It may cause electric shock and fire.



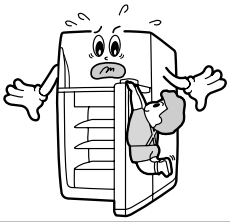
**Do not put bottles or kinds of glass in the freezing room.**
- Freezing of the contents may inflict a wound.



**Do not store articles on the product.**
- Opening or closing of the door may cause throwing down which may inflict a wound.

**Do not plunk out the power cord by pulling the portion of it.**
- It may inflict a wound.

**Do not let a child be hung down from the door.**
- Injury may occurs, when the product falls down or a finger is jammed in the door.

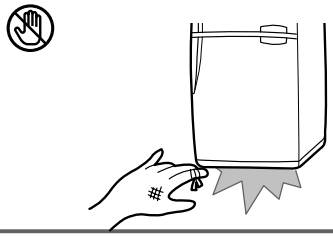


**Do not store pharmaceutical products, scientific materials, etc., in the refrigerator.**
- The products which temperature control shall be strict shall not be stored in the refrigerator.

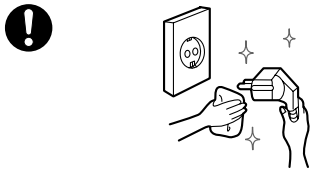
## ⚠ CAUTION

**Do not touch the tank and the food stuffs of the frezzing room with the wet hand.**
• It may cause frostbite.

**Do not enter the hand into the bottom surface of the product.**
• Sharp edge may inflict a wound.

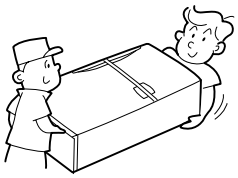


**Please wipe out foreign materials of the metal option of the power plug cleanly.**
• Use of it as it is may cause fire.

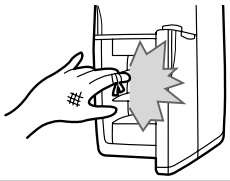


**If you want to insert the power plug again, please insert it five minutes after pulling out of the plug socket.**
• Abnormal operation of freezing device may cause breakdown of it.

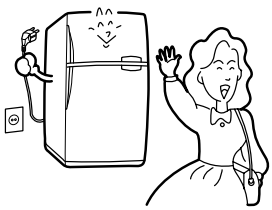
**Move it by catching the upper handle of rear side and the lower handle of front side.**
• Slippery is caused to hurt, when other part is grasped.



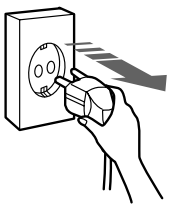
**Use handle when opening and closing the refrigerator door.**
• In case of using other parts than handle, it may hurt you with your finger jammed.



**If the refrigerator is not to be used for a long time, pull out the power play.**
• Due to deterioration of insulation, mau cause fire.



**When abnormal sound, small or smoke is noticed, pull a power plug off immediately, then call service center.**



# FEATURES

## X-FLOW COOLING SYSTEM FOR REDUCING THE LOSS OF COOL AIR!

### Rotation cooling method

• The current cooling method has been a fixed one where the cool air comes directly out of one or 2~3 walls of refrigerator.
X-FLOW cooling refrigerator has adopted the rotating fans in all 3 rooms that make use of the sensitivity technology that rotate vigorously, allowing the cool air to be spurted out and the whole area including every corner in refrigerator to be cool instantly.

### A keen watch for cool air

• When the door is open, you don't have to worry about any change of food tastes since the rotating cool air that adopts the sensitivity technology is turning around foods without any gaps and does not allow any contact of the foods with warm air.
• You don't have to worry about any leakage of cool air since the cool air moves around foods in center even in the case of frequent door opening.

### Water dispenser for reducing the frequency of opening the door

• It adopts the water dispenser that allows water supply without opening the door and therefore the frequency of opening door drops to over 30%, resulting in about 10% of power savings.(Refer to page 20)

### Power saving automatic door close and warning device for door opening.

• In case the door is slightly open(within 15°) by mischiefs of children or mistakes of housewives, the door is automatically closed and prevents any loss of cool air. Also, in case of opening of over 15°, a melody for warning housewives sounds, making it a complete way for saving power(Refer to page 11).

### Rail design for quick opening and closing

• It adopts a rail design in super-high humidity vegetables room and high humidity special fresh room that allows a smooth movement when lightly pulling and pushing the handle without any force and so you can quickly pull out the vegetables and fruits. Loss of cool air is prevented by the quick door opening and closing.(Refer to page 17~18)

## SEPARATE AND INDEPENDENT COOLING OF REFRIGERATING AND FREEZING ROOMS!

### Refrigerator of energy-saving type

• It adopts the high-efficiency Multi-evaporator CYCLE that makes it possible to cool the refrigerating room and freezing room separately and to reduce the power consumption and energy.

### Super-power cooling technique for quick refrigeration.

• Selection of power freezing and power refrigerating by independent cooler and cooling fan allows the quick cooling and preserving the freshness of foods.(pages 13, 15)

### Natural humidity vegetable room lasting 3 times longer even without vinyl wraps.

• The independent cooling method is supplying the cool air with 4°~5 times of more humidity than conventional refrigerator through the indirect cooling technique by which the cool air can not touch the vegetables and fruits directly and therefore the freshness with the same natural humidity as that of producing areas can be maintained for a long time

## NATURALISM FOR REFRIGERATORS, TOO!

### Refrigerator that does not destroy the ozone layer!

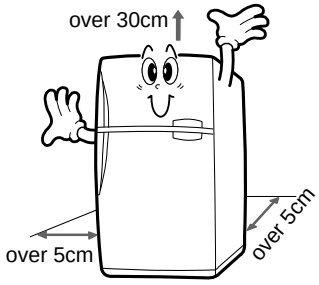
• It uses the new insulating materials, the new refrigerant (R-134A) whose ODP(Azone Depletion Potential) is zero

# READY TO USE

This mark indicates the page to be referred to.

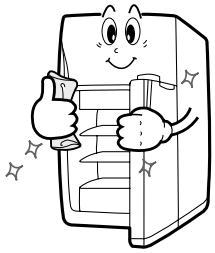
## 1 Please install the refrigerator with sufficient space apart at the place with a flat bottom surface. 24

• An incorrect leveling may cause noises and impossible cooling.



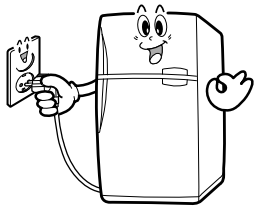

## 2 Please wipe and clean the refrigerator.

• Please wipe and clean the inside and outside of refrigerator.



## 3 Please insert the plug in an outlet. 26

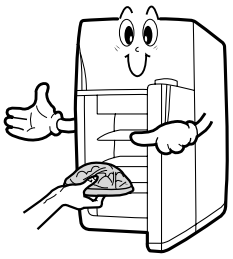
• The refrigerator should be grounded.
• It is desirable to connect the power 1 hour after its installation.
• When plugging in for the first time or plugging in again after pulling it out, the cooler starts operating after about 5 minutes to prevent excessive load to cooler.



※ Please refer to page 1 for operation in 110V area.

## 4 Please put foods in the refrigerator.

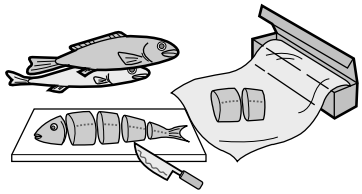
• It is recommended that foods are put in the refrigerator that was cooled for 2~3 hours after plugging in.



## THE CORRECT WAY OF PRESERVING FOODS.

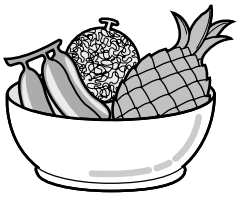
**Please keep them after washing.**

**Please store foods after dividing into small pieces.**



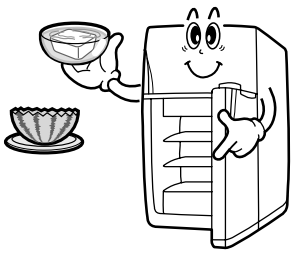
**Please do not store foods which are apt to go bad in low temperature.**

(Examples : Bananas, Pineapples, Tomatoes etc.)



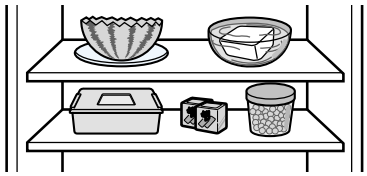
**Please place watery foods(particularly bean curds) on the front area of shelf in refrigerating room.**

- It may be possible that foods placed on areas where cool air is coming out are frozen.



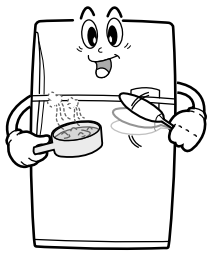
**Please arrange foods with proper distance each other.**

- If the exit of cool air is blocked, the storing efficiency gets low due to the bad cool air circulation.



**Please cool off the hot foods before putting them in the refrigerator.**

- It reduces power consumption and also makes a better cooling.



# FRONT OPERATING PANEL

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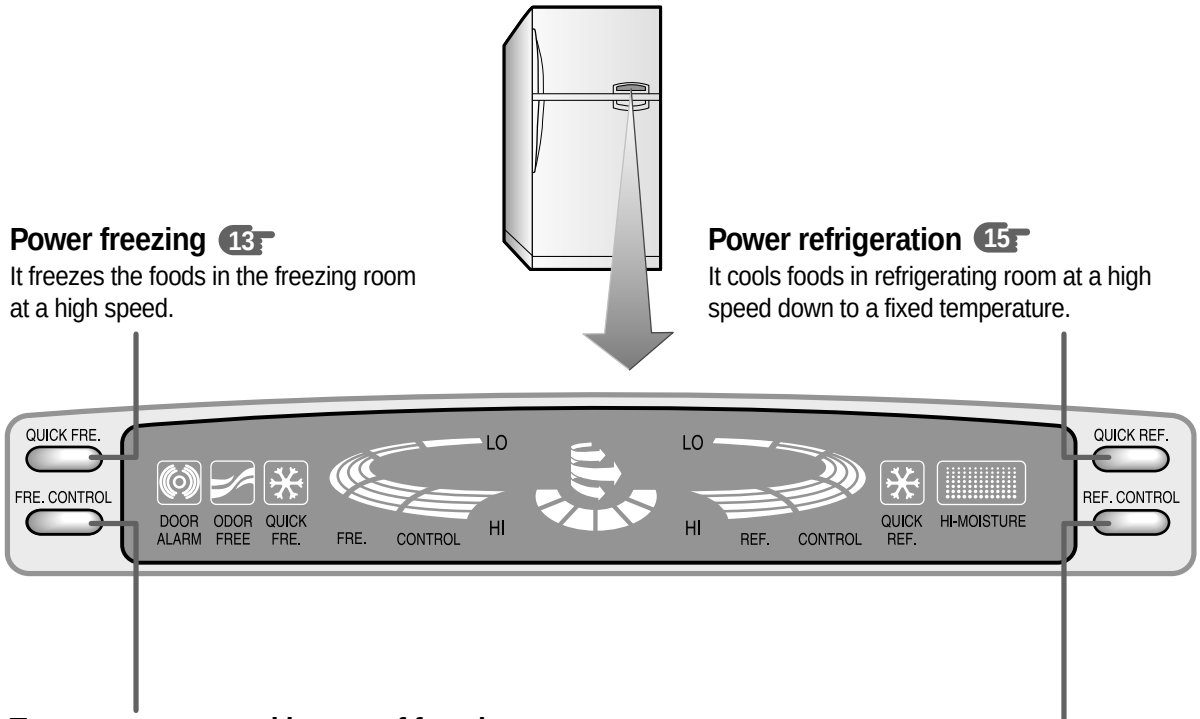



**Power freezing** 13

It freezes the foods in the freezing room at a high speed.

**Power refrigeration** 15

It cools foods in refrigerating room at a high speed down to a fixed temperature.

**Temperature control button of freezing room**

It is able to adjust the temperature in freezing room. Whenever the button is pressed, the sequence of Low → Low Mid → Mid → Mid High → High is selected.

**Temperature control button of refrigerating room**

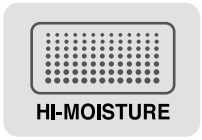
It is able to adjust the temperature in the refrigerating room Whenever the button is pressed, the sequence of Low → Low Mid → Mid → Mid High → High is selected.

## DISPLAY PANEL

### 1 High moisture refrigerating function

**A high moisture refrigerating display lamp is always on when the refrigerator is in operation.**

- The refrigerator adopted separate coolers in freezing and refrigerating rooms, respectively, that can supply a high moist cool air and therefore it can preserve the foods in fresh state.




### 2 Door-alarm function (Door opening)

**A warning sound(Dingdong-Dingdong) indicates that door is open.**

- In case the door is open wider than 15°, after 2 minutes the warning sounds for about 10 seconds with about 1 minute interval.

### 3 Deodorizing display lamp

**This lamp is always on when the refrig-erator is in operation.**
**Without any specific operation, the refrigerator remains in deodorizing mode while air is circulating.**

NOTE

**Power savings of indoor lamp**

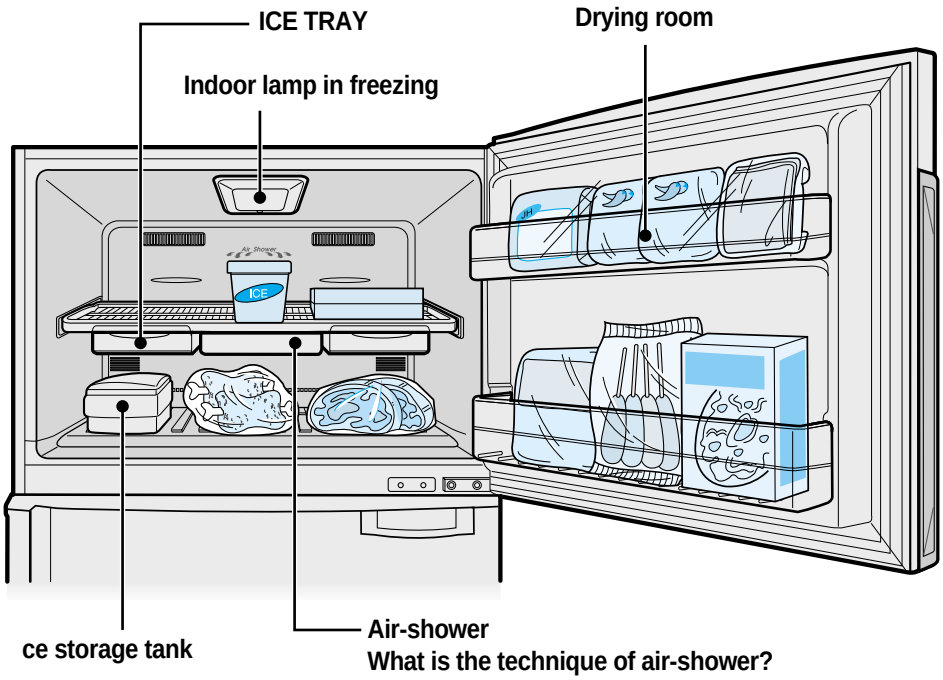
- When the door is open for over 10 minutes, the indoor lamps automatically go off.

### 4 Display of super X-flow function

**If temperature in refrigerating room is getting high with a lot of foods in it or the door is open, the half-circle red lamps in the center turn on in automatic sequence.**

- You do not have to worry about any leakage of cool air even though the door is open because the rotating cool air is moving around foods in center.
- The display lamp is on when the temperature in refrigerating room gets uniform since the cooling is made quickly by the rotation cooling technique.

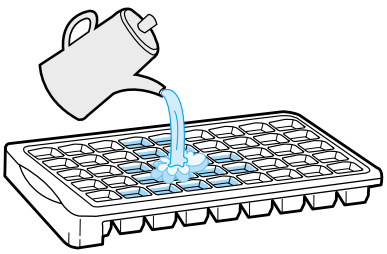
# HOW TO USE FREEZING ROOM



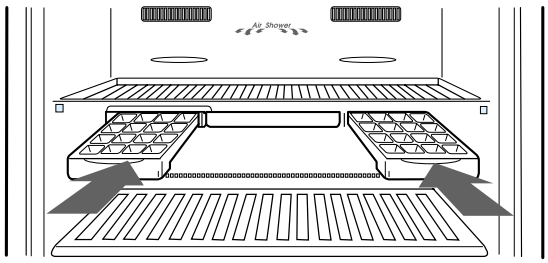

**What is the technique of air-shower?**
It is a technique that allows spraying the cool air evenly in freezing room, thus foods can be frozen more uniformly.

## HOW TO MAKE ICE

**1** Please pour water of appropriate amount on the ice tray.



**2** Please insert ice tray into the shelf.



## POWER FREEZING/TEMPERATURE CONTROL OF FREEZING ROOM

The artificial intelligent function keeps the adjusted temperature of freezing room in the optimum state conforming with conditions of use.

### Power freezing(Quick freezing)

### When you want to freeze foods at a fast speed or to get ice quickly,

- The red lamp is on when selecting Power freezing by pressing “QUICK FRE” Button
- Please press the button one more time if you want to cancel “QUICK FRE”

### LOW

### When the amount of foods to be stored is small,

- Please select “LOW” by pressing FRE. control button.
- Whenever pressing the button at “LOW”, temperature is set in sequence of “LOW MID → MID”.

### MID

### When using it normally,

- Please select an appropriate position between “LOW” and “MID” or “MID” and “HIGH”, depending on the amount of foods to be stored and frequency of use.
- ”MID” is the normal position.
- The temperature is changed in sequence of “MID HIGH → HIGH” whenever pressing the button at “MID”.

### HIGH

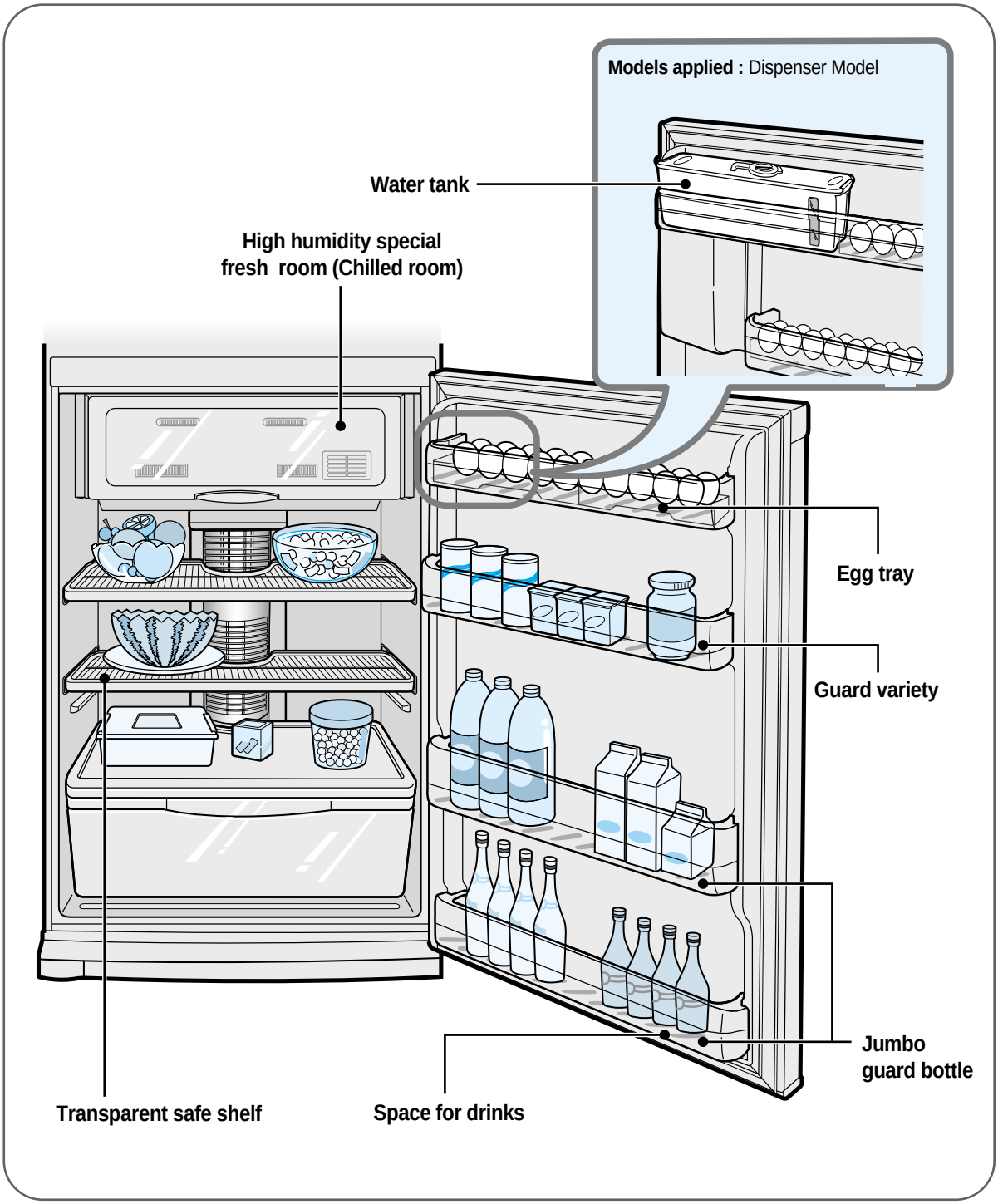
### When making ice or there are a lot of foods to be stored.

- Please select “HIGH” by pressing the temperature control button.
- When pressing one more time at “HIGH”, “LOW” is selected.

NOTE

- Whenever pressing the temperature control, the temperature setting is changed in sequence of “LOW” → MID LOW → MID → MID HIGH → HIGH” and it goes to “LOW” when pressing the button one more time at “HIGH”.
- Since power freezing function is automatically completed, it is automatically transferred, after power freezing, to the previous temperature setting before the power freezing function is operated. (Example : If it had been used in “LOW” mode, it automatically goes back to “LOW” after completing “POWER FREEZING”.
- “MID” of freezing room is automatically set after initial power supply or power failure.

# HOW TO USE REFRIGERATING ROOM



## POWER REFRIGERATION/TEMPERATURE CONTROL OF REFRIGERATING ROOM

The artificial intelligent function keeps the adjusted temperature of refrigerating room in an optimum state conforming with conditions of use.

### Power refrigeration
### When you want to cool the foods quickly.

- The red lamp is on when selecting POWER REFRIGERATING by pressing "QUICK ref" button
- Please press the button one more time for cancelling power refrigeration.

### LOW
### When foods are frozen or the quantity of foods is small,

- Please select "LOW" by pressing the temperature control button
- Whenever pressing the button at "LOW", the temperature setting is changed in sequence of "LOW MID → MID".

### MID
### When in normal use or storing Kimchi,

- Please select an appropriate position between "LOW" and "MID" or "MID" and "HIGH", depending on the quantity of foods to be stored and frequency of use.
- "MID" is the normal position.
- Whenever pressing the button from "MID", the temperature setting is changed in sequence of "MID HIGH → HIGH".

### HIGH
### When refrigeration is bad or there are a lot of foods to be stored,

- Please select "HIGH" by pressing the temperature control button.
- When pressing one more time from "HIGH", the temperature is set to "LOW".

NOTE

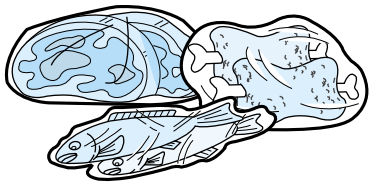
- Whenever pressing the temperature control, the temperature setting is changed in sequence of “LOW → LOW MID→ MID → MID HIGH → HIGH” and it goes to “LOW” when pressing the button one more time at “HIGH”.
- Since power refrigerating function is automatically completed, it is automatically transferred, after power refrigeration, to the previous temperature setting before the power refrigerating function is operated.
  (Example : If it had been used in “LOW” mode, it automatically goes back to “LOW” after completing “POWER REFRIGERATING” (“QUICK REF”).
- ”MID” of refrigerating room is automatically set after initial power supply or power failure.
- Under the environment of below 5°, foods may be frozen.
  (The normal temperature in refrigerating room is between 0°~10°, However, foods can be frozen by the influence of external temperature when the environmental temperature is low and it causes the temperature to be out of control ranges.)
- The refrigerator door may not be open smoothly due to internal pressure difference generated when trying to open it again within 5°~10 seconds after closing.

# HOW TO PRESERVE THE REFRIGERATED FOODS

## 1 High humidity special fresh room (chilled Room )

• Please use this room for foods to be stored in colder environments than refrigerating room.

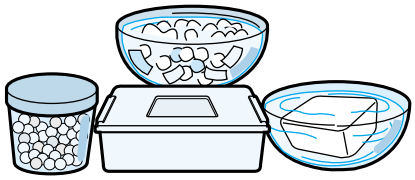
※ Please keep meat or fish in freezing room for its long storage.



## 2 Re-enforced glass shelf

• Please keep the side dish foods in storage bowl or other refrigerated foods with a proper distance apart.

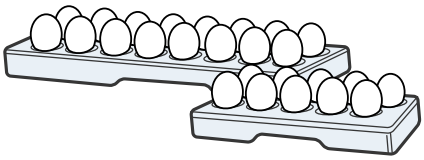
※ The shelf in refrigerating room is a re-enforced glass one unliable to destruction even when falling down, making sure of its safe use.



## 3 Eggs carrier

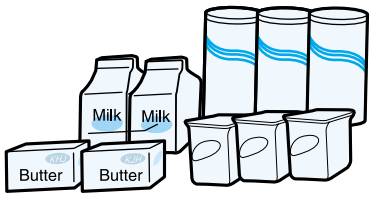
• Please keep eggs in the eggs carrier.

※ The products with water dispensers contains two eggs carriers.(Refer to figure of page 14)



## 4 Space for multi-use

• Please use this space for storing butter, milk , yogurt in small package or drinks.



## 5 Space for drinks

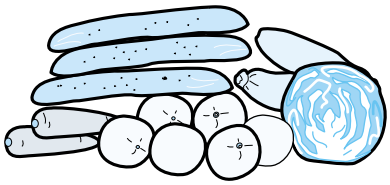
• Lower space for beer, 1000m*l* milk, juice and upper space for 1.5 *l* tank or water jar.

Lower space

Upper space

## 6 Super high humidity vegetable room

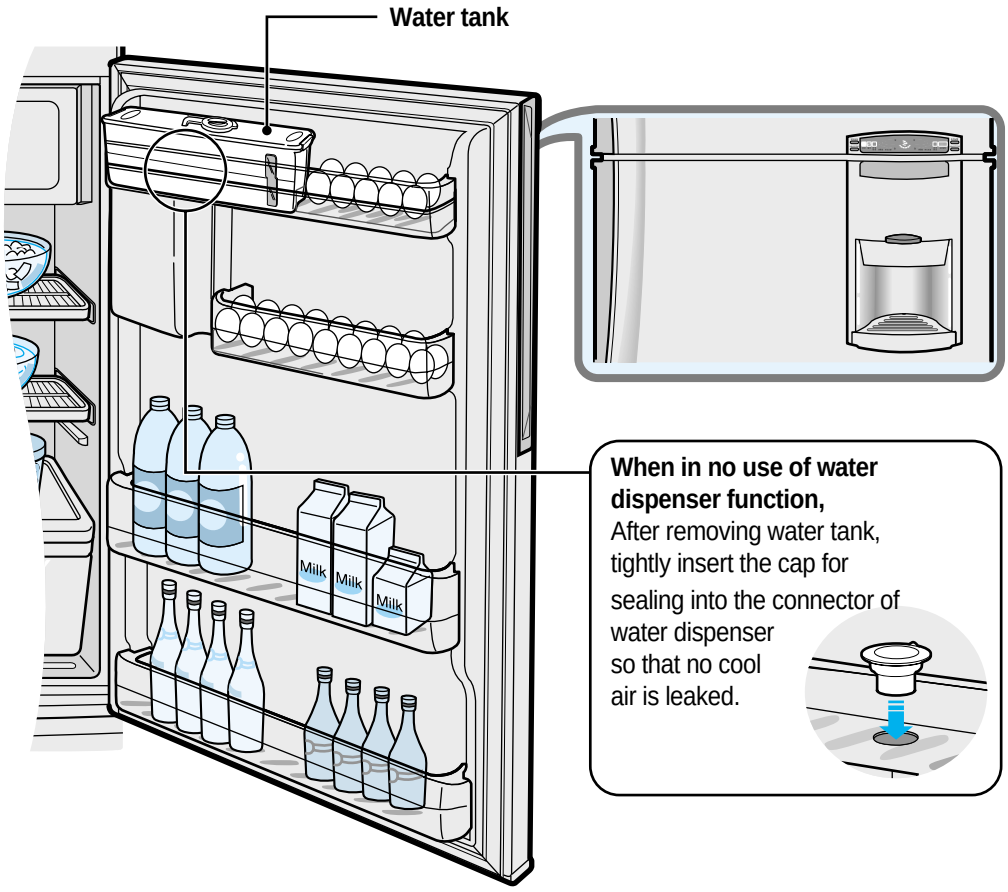
• The rail-type super high humidity vegetable room is an indirect cooling method with a closed loop that prevents the cool air from touching foods directly so it is possible for foods with moisture and humidity of producing areas to be maintained for a very long time.
• Due to the inside partitions, vegetables and fruits can be stored separately.



NOTE ● The frequent opening of refrigerator door may cause dews on the inside of it.

# FUCTIONS OF WATER DISPENSER

What is the water dispenser? If a water tank full of water and equipped with water supply device is inserted into the location where the water supply lever in the refrigerating room is connected to, the cold water can be available at the outside of door even without opening the door by pressing the water supply lever.


Water tank
Milk
Milk
Milk
When in no use of water dispenser function,
After removing water tank, tightly insert the cap for sealing into the connector of water dispenser so that no cool air is leaked.

NOTE

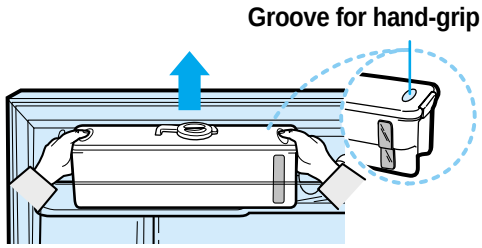
- Please drain the water completely from water tank by pressing the water supply lever after emptying it when in no frequent use of water dispenser.
- Please do not use juice or soda drinks because water tank or water supply system can be polluted by their sugar contents. When it was used with those drinks, please make sure to wash it with clean water.
- A cold water will be available right after the cold water stored in refrigerating room in advance is put into water tank.
- Please clean the water tank frequently after it was filled with tea etc. for a long time since the water tank is subject to change of color or smell and also the residues of tea may cause an abnormal operation of water dispenser.

# HOW TO USE WATER DISPENSER

## 1

**Please lift up and pull out the water tank.**

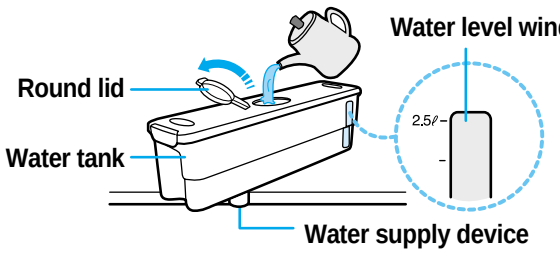
- Please hold the groove of both hand grips and pull out the water tank while lifting it up.
- Please clean the inside of water tank when using it for the first time.(Refer to page 21)



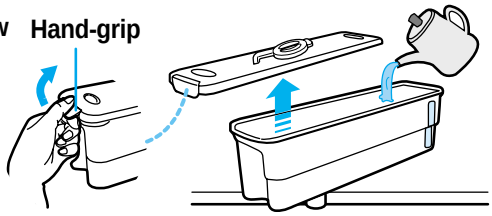

## 2

**Please fill the water tank with water after placing it up on flat surface except for water supply device.**

- Please supply the water up to 2.5ℓ of water level window since water may overflow when closing the round lid if water is too full.
- It is possible to fill the water with water tank inserted in the refrigerator.




**Method 1.:** Please fill the water after lift up the round lid to the arrow direction to open it.

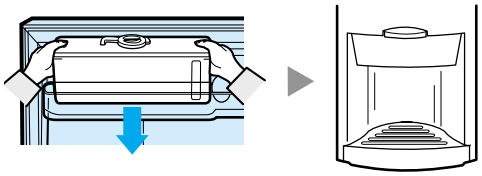



**Method 2.:** Please fill the water after holding and lifting both hand-grips of large lid to open it.

## 3

**Please close the refrigerator door after inserting the water tank.**

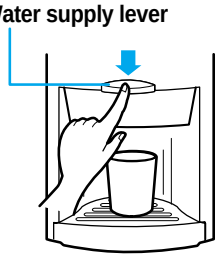
- Please confirm whether the water exit of water supply device is outside after closing the door.



## 4

**Please press down the water supply lever with hands after placing cup on platform for cup.**

- Please lay the cup deep inside to the extent the cup can reach the inner wall slightly.
- If hands were removed from cup, there is no water supplied.
- Please desert 2~3 cups of water when using the water dispenser for the first time after installation.
- In case of continuous water drinking, about 10~15 cups of water are availble.

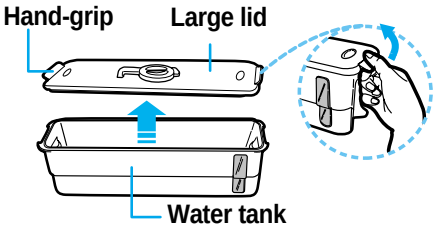


# HOW TO CLEAN

## HOW TO CLEAN WATER DISPENSER

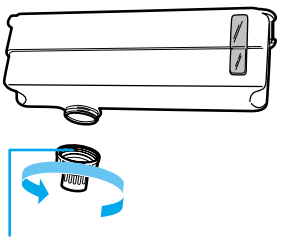
**1** **Please separate the large lid from water tank after pulling it out.**

• It can be separated from water tank when pulling up both hand-grips of large lid.

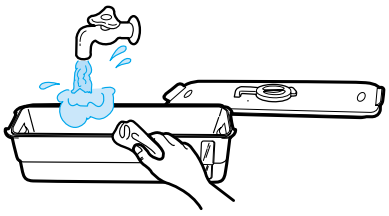



**2** **Please separate the water tank from water supply device.**

• Please hold the upper part of water supply device and turn it to arrow direction.

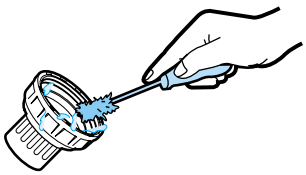



**3** **After washing water tank and large lid with neutral detergents, please rinse them with water.**



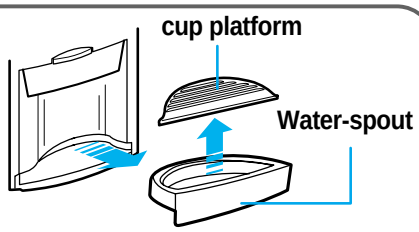
**4** **Please clean the water supply device with a soft brush.**

• Please disassemble and clean once in a while.



**5** **How to use water-spout**

• Please frequently throw away water collected on the water-spout and wipe it out with dry cloth after separating it from cup platform by slightly pressing “PUSH”.




**Caution**

• Please do not boil the water supply device in hot water of over 60°
• Please be careful not to damage or lose the water supply device.
• Please do not let children mishandle the water supply lever. It may cause the water overflow or any trouble.

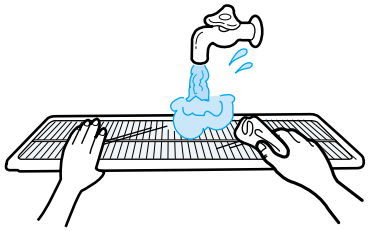
## OTHER WAYS OF CLEANING

### 1 High humidity special fresh room (Chilled room)

Please wipe and clean the high humidity special fresh room with water and neutral detergent after pulling it out.

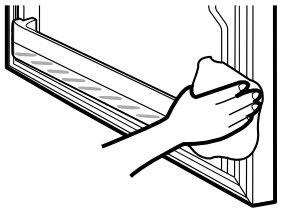
### 2 Freezing room shelf/refrigerating room (Re-enforced glass shelf)

When soaked with foods or stucked with residues, please pull out the freezing room/refrigerating room shelf and wipe it with clean cloths, while spraying the ethanol for sterilization all over its surface.



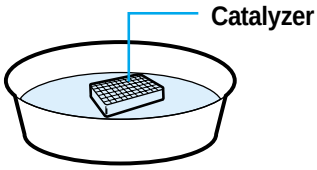
### 3 Rubber packing

- Clean the rubber packing with neutral detergent as the door can not be easily closed if it is polluted.
- Wipe the gaps between grooves along the groove with cloths that were cut into small parts and wound around a woodstick.
- Be careful not to damage it while cleaning.



### 4 Low temperature catalyzing deodorizer

- In case of heavy smells in the freezing and refrigerating rooms. Use the low temperature catalyzing deodorizer after disassembling , dipping into clean water and drying it completely in the sunshine.




**Caution**

- Dry the refrigerator with the door open and the plug out when cleaning or not in use for a long time.
- Do not clean the refrigerator by sprinkling water on it or by using benzene or thinner.

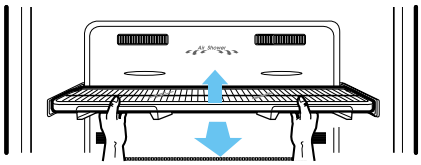
**NOTE**

- This refrigerator adopted the mobile wheel at its rear that freely rotate up to 360° so that it can easily move whenever necessary and also it is convenient for adjusting its position as well as for cleaning.

# HOW TO DISASSEMBLE THE ACCESSORIES

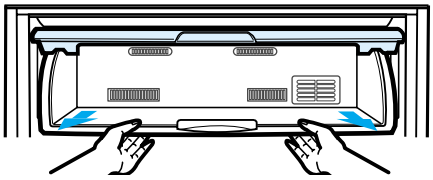
**Freezing room shelf**

- Pull out the ice tray first and then lift up the front part of freezing room shelf and pull it out forward.



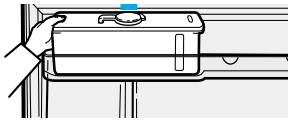
**High humidity special fresh shelf**

- Lift up and pull out the high humidity special fresh shelf at the blocking point while pulling it out to the arrow direction.



**Water tank**

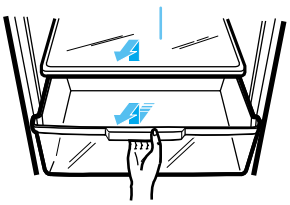
- Lift up and pull out the water tank as shown on the figure.



**Vegetable room lid and box**

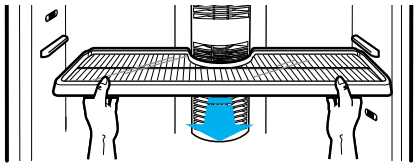
- Lift up the vegetable room lid and pull it out forward.
- Pull out vegetable box while lifting it up after pulling forward to the middle point.

**Vegetable room**



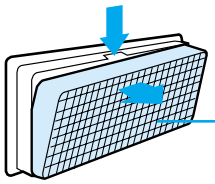
**Re-enforced glass shelf**

- Hold the re-enforced glass shelf with both hands as shown on the figure and pull it out forward.
- Depending on the size of tanks for storing foods, the re-enforced glass shelf may be removed or used with its height properly adjusted.



**Low temperature catalyzing deodorizer**

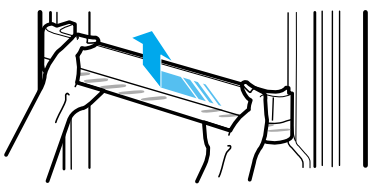
- After pulling out the high humidity special freshing room forward, pull it out while pressing the ending part of sill on the low temperature catalyzing deodorizer.



**Low temperature catalyzing deodorizer**

**Space for drinks**

- Lift up and pull out the space for drinks.



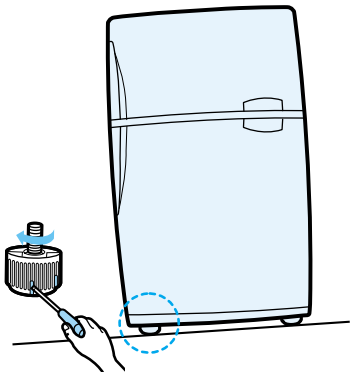
# HOW TO INSTALL

## HOW TO ADJUST LEVELING

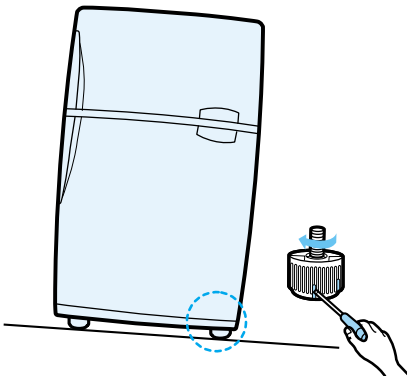
**Adjust the leveling of refrigerator.**

• If the refrigerator is so installed to make its front a little high, the door can be easily opened and closed.

**1** **Refrigerator leaning to the left.**
Make leveling by filling ⊖ driver into the groove of adjustible leg on the left side and turning it to arrow direction.



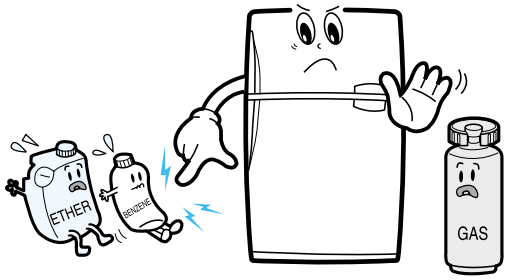
**2** **Refrigerator leaning to the right**
Make leveling by fitting ⊖ driver into the groove of adjustible leg on the right side and turning it to arrow direction.



## PRECAUTIONS FOR INSTALLATION

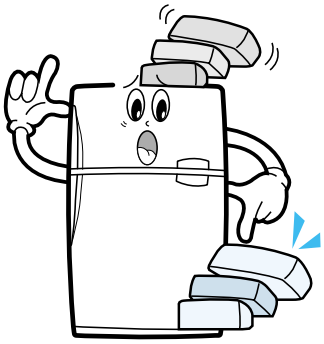
**1** **Aviod any flammable materials.**

- Spraying of flammable materials may cause a fire.
- It is dangerous to unplug when gas is leaking.



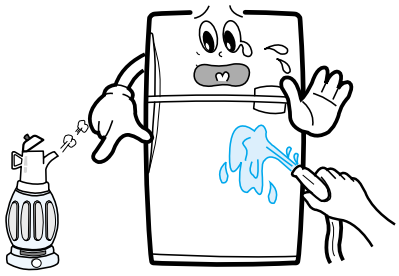

**2** **Do not keep other stuffs in rear and top of refrigerator.**

- Cooling efficiency gets low due to bad ventilation that causes no heat-sink.
- Do not place stuffs on top of refrigerator as they are apt to fall down.



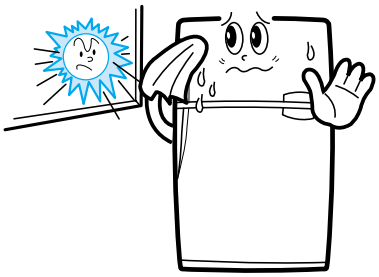
**3** **Avoid heat and water**

- They may cause rust or color deterioration on exterior of refrigerator.



**4** **Install the refrigerator at the place where its environ-mental temperature is low.**

- It provides a better cooling efficiency.
- Avoid any direct sunshine.

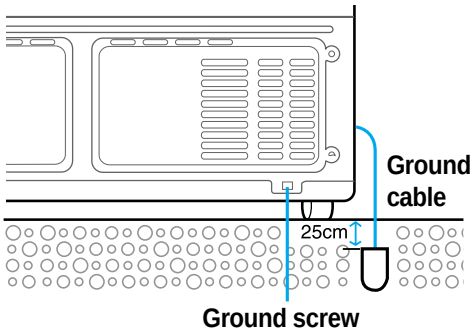


## HOW TO GROUND

**The refrigerator should be grounded.**
The purpose of grounding is to prevent any power leakage or electric shock caused by the current leakage from the refrigerator.
※ Never ground to gas pipes, telephone line and lightning rod as it is very dangerous at the time of lightning strikes.

**In case of outlets without ground terminals.**

- Bury the ground cable connected to a copper plate into the ground with plenty of moistures at the depth of over 25CM, or use a power source which is equipped with circuit breakers.

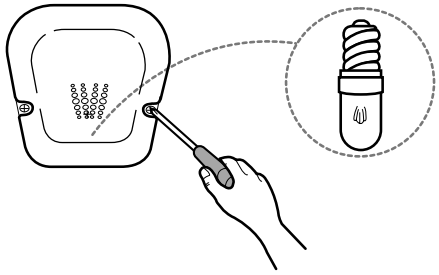


## HOW TO EXCHANGE INDOOR LAMPS

First plug out from the outlet.

**Freezing room indoor lamp**

• Remove the indoor lamp cover by using ⊕ driver and pull out the lamp and fit the front part of indoor lamp cover into the groove and then fit the rear part.

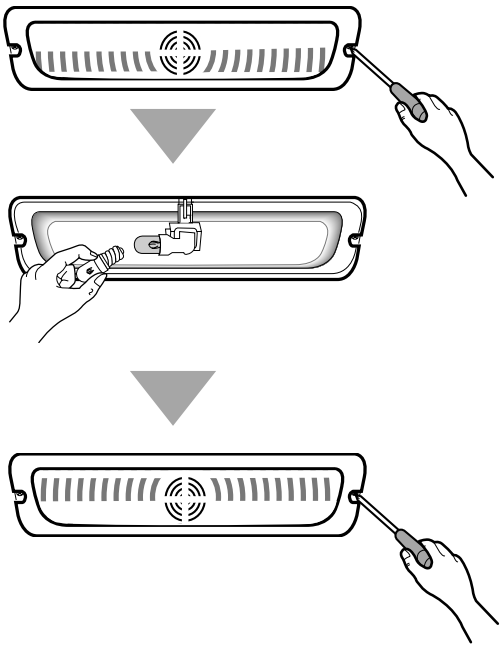


**Refrigerating room indoor lamp**

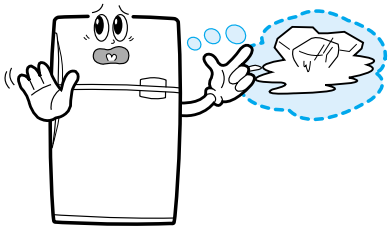
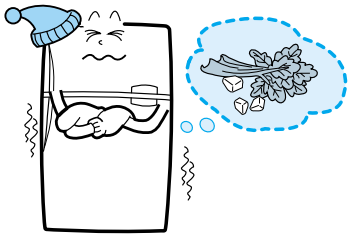
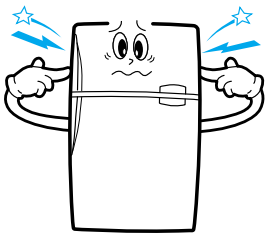
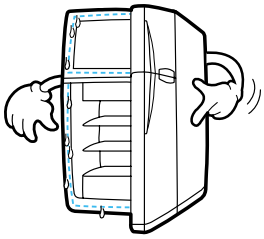
1. Unscrew the fixed bolt and separate the lamp by fitting the ⊕driver into two side holes of indoor lamp cober and pressing it.

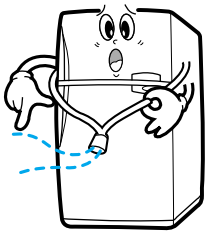
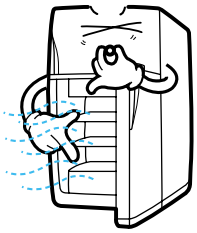
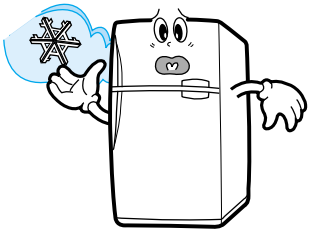
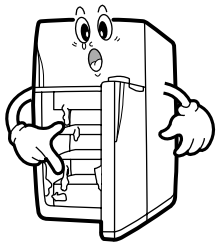
2. Turn the indoor lamp to pull it out and replace it with a new one.

3. After fitting the front part of indoor lamp cover, fit the rear sill area and then fix it with screw.
   ※ In case of having difficulties in replacing and purchasing parts, contact the nearest Samsung Electronic service center.



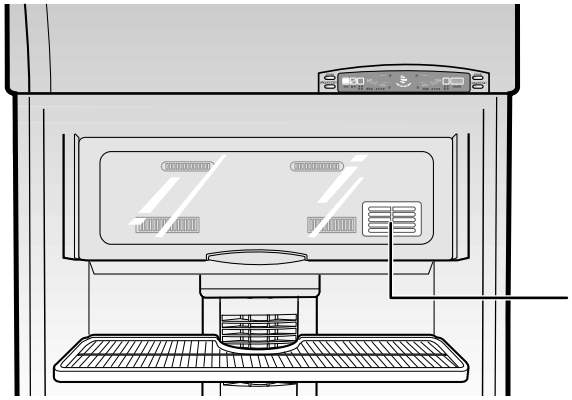
# BEFORE ASKING FOR SERVICE

| SYMPTIOMS | CHECK |
|---|---|
| **Non-operation or bad refrigeration**<br>  | • Check the connection of power plug.<br>• Isn't the temperature control lamp of front operating panel in "LOW" mode?<br>• Isn't there sunshine or heat directly applied to refrigerator.<br>• Isn't the rear plate of refrigerator too close to the wall? |
| **Foods in refrigerating room are frozen**<br>  | • Isn't the temperature control lamp of front operating panel in "HIGH" mode?<br>• Isn't the environmental temperature around the installing place too high?<br>• Isn't the watery foods put into the inside of refrigerator when the cool air is coming out? |
| **Noises and strange sound**<br>  | • Check if the floor is not flat or not hard.<br>• Isn't the rear plate of refrigerator too close to walls?<br>• Is there any stuffs fallen down at rear or beneath of refrigerator?<br>• Isn't it the sound of compressor within the product?<br>• The sound of "TICK TICK" from inside of refrigerator is the one to be heard when various parts are contracted or expanded by cooling operation, therefore it does not mean any trouble with it. |
| **Too hot at the front corner and side wall areas of refrigerator. Dew are forming**<br>  | • This is because heat pipe is installed at the front corner to prevent dew-forming. It is likely to feel that the temperature on these area is very high in the environmental conditions of high exteior temperature. However, it does not mean any trouble with it.<br>• It happens that dews form on the outer wall of refrigerator under the high humidity environment. This is because the moisture in the air touches the cold surface of refrigerator. |

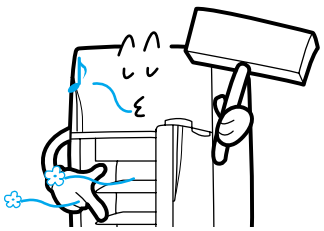
| SYMPTIONS | CHECK |
|---|---|
| **Sound of water flow in refrigerator**<br>  | • It is the flowing sound of refrigerant that is cooling the inside of refrigerator. |
| **Smell in the refrigerator**<br>  | ※ Some smells may be generated in refrigerator or in ice when in use as follow.<br>• When preserving meat and fish without any sealing.<br>• When preserving dried fish such as kettlefish, anchovies and laver without sealing.<br>• When preserving foods with sealing by using smelly vinyl.<br>**Cautions :** Use sanitary vinyl envelopes when pre serving foods by using vinyl envelopes. There may be often a smell of sterilizing medicine when making the ice with running water from the faucet. |
| **Frost on the wall of freezing room**<br>  | • Isn't the air exit of freezing room blocked?<br>• Allow some distance between foods for better air circulation.<br>• Isn't the door closed completely? |
| **Dews in the refrigerating room walls and vegetable box**<br>  | • This happens when the environmental humidity is high or the door is open for a long time or watery foods are stored without a lid.<br>• Preserve foods with the lid closed or wraps sealed. |

# QUESTIONS

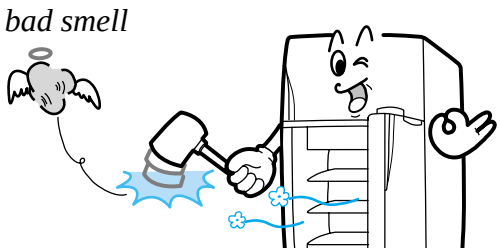
## WHAT IS THE LOW TEMPERATURE CATALYZING DEODORIZER?




**1** Low temperature catalyzing deodorizer is installed at cool air suction hole where the air of refrigerating room is sucked, therefore, even without any additional operation, smells are removed while air is in a natural circulation.



**2** It is so designed as to suck and completely remove smells. Also it has an excellent capability of deodorizing the bad smell of the favorate foods particularly at home.




Caution

- Low temperature catalyzing deodorizer has a semi-permanent lifetime.
- The function of low temperature catalyzing deodrizer has no harmful effect on human bodies and is applied only to remove smells from the stored foods within the refrigerator.

NOTE

- Use wraps or sealed tank when preserving foods with much smells. Deodorizing effect may be reduced as the smells are adhered to inner wall of refrigerator or to other foods.

# MEMO

ELECTRONICS